
North America's Leader in Hazardous Material Information Management
1905 Aston Avenue, Carlsbad, CA 92008
Phone (800) 451-8346 Fax (760) 602-8888

MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☒ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: SureCo, Inc.

Product Name: Black Leaf Cygon 2E Systemic Insecticide

MATERIAL SAFETY DATA SHEET
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1993)

SECTION 1: Chemical Product & Company Identification

Product Name(s): Black Leaf® Cygon 2E Systemic Insecticide

EPA Number: 70-113-5887

Manufacturer Name & Address: SureCo, Inc., an indirect subsidiary of Verdant Brands Inc. 9555 James Avenue S., Ste 200, Bloomington, MN 55431

Telephone Contact Number & Hours of Operation: (612) 703-3300, 8:00 a.m. - 5:00 Central Time

Emergency Telephone Contact Number: Chemtrec 800-424-9300

SECTION 2: Composition/Information on Ingredients

Hazardous Ingredients⁽¹⁾:	% by		OSHA	PEL	ACGIH	TLV
	weight	CAS No.	TWA	STEL	TWA	STEL
Dimethoate	23.4	60-51-5	NE	NE	NE	NE
aromatic hydrocarbon solvent	<40.0	64742-95-6	NE	NE	NE	NE
cyclohexanone	<35.0	108-94-1	50 ppm	NE	25 ppm	NE

* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions

SECTION 3: Hazards Identification

EMERGENCY OVERVIEW

Physical description: clear amber liquid

Odor: pungent, sour

Physical Hazards: Liquid is flammable; extinguish all ignition sources

Potential Health Effects: This material may be moderately irritating to the eyes and slightly irritating to the skin. Personnel responding to a spill of this material MUST wear protective clothing to avoid skin contact or inhalation of particles to prevent toxic effects.

SECTION 4: First Aid Measures

Skin Contact: Wash with plenty of soap and water. Get medical attention if irritation persists.

Ingestion: If swallowed, promptly drink large amounts of water. DO NOT INDUCE VOMITING. Never give liquids to an unconscious person. Get medical attention.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Seek medical attention.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIAN: Dimethoate has moderate toxicity relative to other organophosphates (on the basis of a number of cases, the oral lethal dose for human beings was estimated to be of the order of 50-500 mg/kg); the symptoms of dimethoate poisoning are similar to those of poisoning by other organophosphorus insecticides, but the clinical picture evolves much more slowly. Its acute toxicity is variable and depends strongly upon the kinetics of absorption. Use of opiates, 2-PAM, succinylcholine or other cholinesterase inhibiting drugs is CONTRAINDICATED.

SECTION 5: Fire Fighting Measures

Flash point: 109°F (TCC)

Explosive limits (%): N/A

Extinguishing media: Water fog, dry chemical or foam.

Protective Equipment: Use NIOSH/MSHA approved SCBA and bunker gear

Thermal decomposition: oxides of carbon, sulfur, phosphorus, possible conversion to more toxic dithio-isomer

NFPA CODES: FIRE: 2 HEALTH: 2 REACTIVITY: 0

SECTION 6: Accidental Release Measures

Spills: Extinguish all ignition sources, adsorb material with appropriate sorbent. Reuse material if possible. If original containers are not available and material is not reusable, place in metal drum and seal. Dispose of in accordance with instructions in Section 13.

SECTION 7: Handling & Storage

Storage: Store in well-closed, upright containers in a cool, dry, well-ventilated area out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Store between 45 - 77°F.

Handling: Avoid breathing vapor or particles. Avoid contact with skin or clothing. Remove pets, and cover fish aquariums before applying.

SECTION 8: Exposure Controls & Personal Protective Equipment

Skin: Protective gloves required; applicators should wear long pants and long-sleeved shirt

Eye Protection: Goggles or faceshield recommended

Respiratory: Engineering controls may be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges, or mechanical ventilation.

SECTION 9: Physical & Chemical Parameters

Appearance: amber liquid

Solubility in water: emulsifies

Odor: slightly pungent, sour odor

Bulk Density: 8.4 lbs/gallon

Boiling point: n/a

Melting point: n/a

Specific gravity: 1.014

Vapor pressure: 28.44 mm Hg

pH: 4.5

Vapor Density: 0.029

SECTION 10: Stability & Reactivity

Stability: Stable

Incompatibility: Avoid contamination with strong acids, alkalis, oxidizers.

Conditions to avoid: excessive heat

Hazardous polymerization: will not occur

SECTION 11: Toxicological Information

Note to Consumers: Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures.

Symptoms of overexposure may include: nausea, followed by vomiting, abdominal cramps, diarrhea, excessive salivation, headache, giddiness, vertigo, weakness, rhinorrhea and a sensation of tightness in the chest (in inhalation exposures), bradycardia or tachycardia, atrial arrhythmias, loss of muscle coordination, slurring of speech, fasciculations and twitching of muscles (particularly of the tongue and eyelids), and generalized profound weakness. Hypothermia has been reported. Blurring or dimness of vision, miosis (with fixed pinpoint pupils), tearing, ciliary muscle spasm, loss of accommodation, and ocular pain may also be present.

Dimethoate was teratogenic in rats and cats and embryotoxic in mice.

Dimethoate: Oral Rat LD₅₀ = 240-336 mg/kg Dermal Rat LD₅₀ = >800 mg/kg

cyclohexanone: Oral Rat LD₅₀ = 1535 mg/kg Dermal Rabbit LD₅₀ = 948 mg/kg

Rare case reports as a contact sensitizer.

Carcinogens: None listed per OSHA, NTP, or IARC.

SECTION 12: Ecological Information

Ecotoxicity: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by drift, runoff, or

cleaning of equipment or disposal of washwaters.

Environmental Fate: K_{ow} values of 5.2 - 36 has been reported for Dimethoate. The BCF for cyclohexanone can be estimated to be 2.4 based on the log K_{ow} of 0.81

SECTION 13: Disposal Considerations

This material (as packaged) is considered a hazardous waste (EPA P044, U057). Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: Transport Information

DOT Hazard Description: Consumer Commodity, ORM-D

SECTION 15: Regulatory Information

CERCLA RQ: Dimethoate: 10 lbs.; cyclohexanone: 5,000 lbs.

SARA TPQ: Dimethoate: 500 lbs.

Individual States: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION 16: Other Information

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

This information is provided in good faith, but without express or implied warranty.